

43
SQUARE D COMPANY

ELECTRICAL AND ADVANCED TECHNOLOGY PRODUCTS

CIRCUIT BREAKER DIVISION

319-365-4631



3700 SIXTH STREET, S.W.
P.O. BOX 3069

CEDAR RAPIDS, IOWA 52406-3069

January 18, 1991

Mr. Brian Mitchell
WSTM/RCRA/IOWA
EPA Region VII
726 Minnesota Avenue
Kansas City, Kansas 66101

RE: 30 Day Extension

Attached is a copy of the manifest and LDR notice for the F006 hazardous waste that your office granted a 30 day extension.

If you have any questions, please contact me at 319-365-4631.

Best regards,

Richard R. Kelly
Traffic Manager
Square D Company
3700 6th Street SW
Cedar Rapids, Iowa 52406

ne
HAZWASTE.DOC



R00352695
RCRA RECORDS CENTER

RECEIVED
JAN 22 1991
IOWA SECTION

| UNIFORM HAZARDOUS WASTE MANIFEST | | 1. Generator's US EPA ID No. I A D 0 0 0 8 1 9 1 1 0 | Manifest Document No. 0 1 1 2 0 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law. | |
|--|--|---|------------------------------------|---|---|-----------------|
| 3. Generator's Name and Mailing Address SQUARE D COMPANY 3700 6TH ST SW PO BOX 3069 CEDAR RAPIDS, IOWA 52406 | | | | A. State Manifest Document Number | | |
| | | | | B. State Generator's ID | | |
| 5. Transporter 1 Company Name CKC INC | | 6. US EPA ID Number C A D 9 8 0 5 8 4 5 1 0 | | C. State Transporter's ID | | |
| 7. Transporter 2 Company Name | | 8. US EPA ID Number | | D. Transporter's Phone 408-627-2595 | | |
| 9. Designated Facility Name and Site Address WORLD RESOURCE COMPANY 8113 WEST SHERMAN STREET PHOENIX, ARIZONA 85043 | | 10. US EPA ID Number A Z D 9 8 0 7 3 5 0 0 0 | | E. State Transporter's ID | | |
| | | | | F. Transporter's Phone | | |
| | | | | G. State Facility's ID | | |
| | | | | H. Facility's Phone 602-233-9166 | | |
| 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) | | | | 12. Containers | 13. Total Quantity | 14. Unit Wt/Vol |
| | | | | No. | Type | Waste No. |
| a. RQ, HAZARDOUS WASTE, SOLID, X NOS, ORM-E, NA9189 (F006) | | | | 0.03 | B.A | 171 |
| b. | | | | | | |
| c. | | | | | | |
| d. | | | | | | |
| J. Additional Descriptions for Materials Listed Above RQ-1 | | | | K. Handling Codes for Wastes Listed Above BA=BAG 2=CU.YD. | | |
| 15. Special Handling Instructions and Additional Information WEAR GLOVES AND GOGGLES WHEN HANDLING. TAKE CARE NOT TO INGEST SLUDGE. EMERGENCY RESPONSE NO. 319-365-4631 | | | | | | |
| 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. | | | | | | |
| Printed/Typed Name RICHARD R. KELLY | | Signature RICHARD R. KELLY | | Month Day Year 12 04 90 | | |
| 17. Transporter 1 Acknowledgement of Receipt of Materials | | | | | | |
| Printed/Typed Name David Beance | | Signature David Beance | | Month Day Year 12 04 90 | | |
| 18. Transporter 2 Acknowledgement of Receipt of Materials | | | | | | |
| Printed/Typed Name | | Signature | | Month Day Year | | |
| 19. Discrepancy Indication Space | | | | | | |
| 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. | | | | | | |
| Printed/Typed Name RONALD L. SHARP | | Signature RONALD L. SHARP | | Month Day Year 12 07 90 | | |

N O T I C E

To: World Resources Company

Subject: Land Disposal Restriction Notice

From: SQUARE D CO
3700 6th St SW
CEDAR RAPIDS, IA

Manifest Number: 01120
 Date of Shipment: 12/4/90

This shipment of material bearing EPA Hazardous Waste Number F006 is subject to the land disposal restrictions of 40 CFR, Part 268. This material does not meet the treatment standards specified in Part 268 Subpart D or does not meet the prohibitions specified in 268.32 or RCRA Section 3004(d). The treatment standards or prohibition levels are as provided below:

Section 1. F006 Information

| Hazardous Waste No. | Subcategory | Treatability Group | CFR Reference for Treatment Standard | Five-Letter Code(s) |
|---------------------|-------------|--------------------|--------------------------------------|---------------------|
| F006 | None | Nonwastewater | 40 CFR 268.41 40 CFR 268.43 | Not Applicable |

NOTE: This completes the required portion of the certificate unless the metals, organics, or solvents noted in Section 2 are above the concentration levels shown.

Section 2. Additional Potential Metals, Organics and Solvents (check all boxes that apply)

- ☐ a) This shipment includes metals beyond those included as regulatory constituents in F006, and the metal listed is likely to include concentration levels in excess of treatment standards for land disposal.

| Hazardous Waste No. | Regulatory Constituent | Concentration Unit (mg/l) | Sub-category | Treatability Group | CFR Reference for Treatment Standard | Five-Letter Code(s) |
|--------------------------------|------------------------|---------------------------|-----------------------------------|--------------------------------|--------------------------------------|---------------------|
| <input type="checkbox"/> D004 | Arsenic | 5.0 | — | Nonwastewater | 40 CFR 268.41 | — |
| <input type="checkbox"/> D005 | Barium | 100.0 | — | Nonwastewater | 40 CFR 268.41 | — |
| <input type="checkbox"/> D009 | Mercury | 0.2 | Low <260/mg/kg High ≥260/mg/kg | Nonwastewater Nonwastewater | 40 CFR 268.41 40 CFR 268.42 | — IMERC or RMERC |
| <input type="checkbox"/> D010 | Selenium | 5.7 | — | Nonwastewater | 40 CFR 268.41 | — |
| <input type="checkbox"/> _____ | _____ | _____ | _____ | _____ | _____ | _____ |

- ☐ b) This shipment includes TCLP Organics (as identified in Table 1, §261.24) in excess of the concentration standard authorized for land disposal (check appropriate boxes).

| Hazardous Waste No. | Contaminant | Regulatory Level (mg/l) | Hazardous Waste No. | Contaminant | Regulatory Level (mg/l) |
|--------------------------------|----------------------|-------------------------|--------------------------------|---------------------|-------------------------|
| <input type="checkbox"/> D018 | Benzene | 0.5 | <input type="checkbox"/> D035 | Methyl Ethyl Ketone | 200.0 |
| <input type="checkbox"/> D019 | Carbon Tetrachloride | 0.5 | <input type="checkbox"/> D036 | Nitrobenzene | 2.0 |
| <input type="checkbox"/> D028 | 1,2 Dichloroethane | 0.5 | <input type="checkbox"/> D039 | Tetrachloroethylene | 0.7 |
| <input type="checkbox"/> D029 | 1,1 Dichloroethylene | 0.7 | <input type="checkbox"/> D040 | Trichloroethylene | 0.5 |
| <input type="checkbox"/> _____ | _____ | _____ | <input type="checkbox"/> _____ | _____ | _____ |

- ☐ c) This shipment includes Halogenated Organic Compounds (HOC) as identified in RCRA §3004(d) California List wastes at levels in excess of 1,000 mg/kg.
- ☐ d) This shipment includes spent solvents (F001-F005) with levels of regulated constituents in excess of the concentration standard authorized for land disposal. Detail is provided on attached sheet.

A waste analysis for this waste is attached, where available.

Signed: Richard Kelly

Title: Truffie May

TREATMENT STANDARDS FOR F001-F005 SPENT SOLVENTS

(TO BE INCLUDED WITH LAND DISPOSAL RESTRICTION NOTICE,
IF REQUIRED)

[Instructions: Check the box beside each waste included in the material shipment;
and circle the individual constituents likely to be present above the limit identified.]

| Hazardous Waste Description | Constituents of Concern | Nonwastewater | |
|--|--|-----------------------------|---------------|
| | | Total Composition, mg/kg | TCLP, mg/L |
| <input type="checkbox"/> F001—Spent halogenated solvents used in degreasing | Carbon tetrachloride | | 0.96 |
| | Methylene chloride | | 0.96 |
| | Tetrachloroethylene | | 0.05 |
| | 1,1,1-Trichloroethane | | 0.41 |
| | Trichloroethylene | | 0.091 |
| | 1,1,2-Trichloro-1,2,2-tri- fluoroethane | | 0.96 |
| <input type="checkbox"/> F002—Spent halogenated solvents | Trichlorofluoromethane | | 0.96 |
| | Chlorobenzene | | 0.05 |
| | 1,2-Dichlorobenzene | | 0.125 |
| | Methylene chloride | | 0.96 |
| | Methylene chloride (from the pharmaceutical industry) | | — |
| | Tetrachloroethylene | | 0.05 |
| | 1,1,1-Trichloroethane | | 0.41 |
| | 1,1,2-Trichloroethane | 7.6 | |
| | Trichloroethylene | | 0.091 |
| | 1,1,2-Trichloro-1,2,2-tri- fluoroethane | | 0.96 |
| <input type="checkbox"/> F003—Spent non-halogenated solvents | Trichlorofluoromethane | | 0.96 |
| | Acetone | | 0.59 |
| | n-Butyl alcohol | | 5.0 |
| | Cyclohexanone | | 0.75 |
| | Ethyl acetate | | 0.75 |
| | Ethyl benzene | | 0.053 |
| | Ethyl ether | | 0.75 |
| | Methanol | | 0.75 |
| | Methyl isobutyl ketone | | 0.33 |
| | Xylene | | 0.15 |
| | Cresols (and cresylic acid) | | 0.75 |
| <input type="checkbox"/> F004—Spent non-halogenated solvents | Nitrobenzene | | 0.125 |
| <input type="checkbox"/> F005—Spent non-halogenated solvents | Benzene | 3.7 | |
| | Carbon disulfide | | 4.81 |
| | 2-Ethoxyethanol | Incineration ¹ | |
| | Isobutanol | | 5.0 |
| | Methyl ethyl ketone | | 0.75 |
| | 2-Nitropropane | Incineration ¹ | |
| | Pyridine | | 0.33 |
| | Toluene | | 0.33 |

¹ Five-letter code is "INCIN".



PDC Laboratories, Inc.

ANALYTICAL REPORT FORM

To: Square D - Cedar Rapids Sales Rep Doug Beck
3700 6th Street S.W. Sample _____
Cedar Rapids, IA 52406 PDC # 90020042
Date Received 02-01-90 Permit # _____
Attn: Jim Jensen Date of Report 02-19-90 P.O. # 6017058
Waste Stream F006 Sludge

Color Green BTU BTU/lb Physical State Solid
% Solids 30 Flashpoint >200 °F Number of Phases 1
Bulk Density 1,150 lb/yd³ % Ash _____ Water Reactivity None Observed
pH _____ (neat); 8.9 (10% solution) Paint Filter Pass
Lab Comments: _____

| | Totals (mg/kg) | TCLP (mg/l) | | (mg/kg) |
|------------------|-------------------|----------------|--------------------|---------|
| Aluminum | | | Cyanide (Amenable) | |
| Antimony | | | | |
| Arsenic | <3.9 | | | |
| Barium | 25 | | Cyanide (Total) | 0.13 |
| Cadmium | 19 | 0.13 | Cyanide (Reactive) | |
| Chromium (Total) | 842 | 0.01 | | |
| Chromium (Hex.) | | | EOX | 1,000 |
| Copper | | | | |
| Iron | | | Oil & Grease | |
| Lead | 70 | <0.025 | | |
| Manganese | | | Phenols (Total) | <2.7 |
| Mercury | <0.05 | | | |
| Nickel | 19,000 | 108 | Sulfide (Total) | <0.55 |
| Selenium | 6.0 | 0.06 | Sulfide (Reactive) | |
| Silver | 889 | 0.07 | | |
| Zinc | | | TOC | |

(1) Run according to Illinois Pollution Control (6/84) Section 729.320/321.

John LaRaine
Laboratory Manager

John R. Davis
Quality Assurance Officer

Analyses conducted utilizing USEPA, IEPA or other recognized methods.
P.O. Box 9071
Peoria, IL 61614
(309) 676-4893

MSDS

Material Safety Data Sheet

Recycler's Facility Name and Site Address:

Issued August 7, 1990

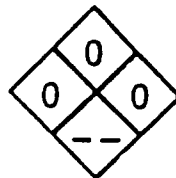
For Emergencies Call:

World Resources Company

8113 West Sherman Street

Phoenix, Arizona 85043

Telephone: 602/233-9166



CHEMTREC

Day or Night

800-424-9300

Outside Continental U.S. Call:

202-483-7616 Collect

All calls are recorded.

Section 1

MATERIAL IDENTIFICATION

Generic Name: Electroplating/Metal-Finishing Wastewater Treatment Sludge

Environmental Protection Agency (EPA) Waste Classification: F006

Chemical Family: Metallic (Hydroxide) Precipitates

Synonym: Non-ferrous Metal Hydroxide Filter Cake

Department of Transportation (DOT) Information:

DOT Shipping Name: Hazardous Waste Solid, N.O.S.

DOT Hazard Class: ORM-E

DOT Identification Number: NA-9189

Section 2

HAZARDOUS INGREDIENTS

| Ingredient: | CAS Number: | Content %: | ACGIH-TLV | Toxicology: (rat, oral) |
|--------------------|-------------|------------|------------------------------|-------------------------|
| Copper Hydroxide | 7440-50-8 | 5-30 | 1.0 mg/m ³ (Dust) | LD-50 1,000 mg/kg |
| Nickel Hydroxide | 7440-02-0 | 2-15 | 1.0 mg/m ³ (Dust) | LD-50 1,500 mg/kg |
| Calcium Hydroxide | 1305-62-0 | 0-15 | 5.0 mg/m ³ (Dust) | LD-50 7,340 mg/kg |
| Diatomaceous Earth | 68855-54-9 | 0-10 | 6.0 mg/m ³ (Dust) | LD-50 3,160 mg/kg |

Section 3

PHYSICAL AND REACTIVITY DATA

Description: Solid, Clay-like Clumps,
Gray/Green to Brown,
Water Content 50-80%

Specific Gravity: 1 to 1.4

Solubility: Insoluble in water

Density: 64 to 90 lbs/cu/ft

Incompatible Reactivity: None Known

Vapor Pressure: Insignificant

Stability: Avoid contact with acids

Polymerization: Will not occur

Boiling Point: Above 2600°C

Melting Point: Above 1800°C

pH: 7.0 to 10.0

Odor: Nil

Section 4

FIRE AND EXPLOSION DATA

Flashpoint: Nonflammable

Special Firefighting Procedures: None

Oxidation: Non-oxidizing

Explosive: Non-explosive

Product Decomposition Due

to Fire or Explosion: None

Section 5

TOXICITY

Listed Carcinogen component: Nickel

Toxicology: See Sec. 2 (Nickel Hydroxide)

Route of Entry: Inhalation and Ingestion

Section 6

HEALTH EFFECTS AND FIRST AID

Inhalation: Dust may irritate mucous membranes and upper respiratory tract. Remove to fresh air and treat symptoms.

Ingestion: Rare in industry. Induce vomiting (do not induce vomiting or give a liquid to an unconscious person) and call a physician.

Eyes: Dust may irritate eyes. Wash with copious amounts of water for 15 minutes. If effects persist, call a physician.

Skin: Dust may irritate skin, causing forms of eczema. Wash with soap and water.

Long-Term Effects: Chronic overexposure may affect the following target organs or body systems—blood, digestive, respiratory, lungs, liver, kidneys and skin.

Comments: Special attention should be given to employees with anemia, restricted respiratory abilities, lung cancer, permanent kidney damage and metal-sensitive skin or skin lesions.

Section 7

PRECAUTIONS FOR SAFE HANDLING

Handling: Good personal and industrial hygiene should always be practiced. It is recommended that personal protective equipment be used by personnel who will come in contact with the material. The equipment should include eye protection, respirator and gloves.

Storage: Keep covered and avoid conditions where wind could cause dispersal. Do not eat, drink or smoke where material is handled to avoid inhalation or ingestion. Store in a dry area under cover from rain.

Spills: Cleaning procedures should not create excessive dust. Vacuum when possible. Package material and send to World Resources Company at above address.

Section 8

CONTROL MEASURES

Respiratory Protection: NIOSH-MSHA approved respirators as required.
Other Protective Equipment: Coveralls are recommended, but not required.

Eye Protection: Safety Glasses recommended.

Hand Protection: Gloves recommended.

Section 9

GENERATORS VERIFICATION

This MSDS is provided solely for informational purposes and no warranty or responsibility is extended even though reasonable precautions have been taken in the preparation of the data contained for this recyclable material. To the best of my knowledge this MSDS describes the recyclable material listed on the attached Manifest Number: 01120 Telephone: 319-365-4631 Date: 12/4/90

Company Name and Address: SQUARE D COMPANY, 3700 6th st. S.W., CEDAR RAPIDS, IOWA 52406

Signature: Richard R Kelly